

Application No. 10/616,598

Response dated 6/7/2004

Notice to File Corrected Application Papers dated 4/16/2004



ABSTRACT

5 A removable protective thermoformable coating for the packaging
of electronic equipment. The coating includes a thermoplastic
film and a microencapsulated silicone attached to one side of the
film. The coating is vacuum formed and/or melted onto a
component, releasing a one- or two-component silicone that forms
a silicone layer. The silicone layer cures or hardens, and,
together with the thermoplastic film, forms a protective coating.
10 The coating may be removed or peeled off, as the silicone will
preferentially adhere to the film.

Also, a method for applying a protective coating to a component.
The component is contacted with a thermoplastic film having
15 silicone microcapsules on the contacting side of the film. The
film is heated and drawn down over the component by pressure or
vacuum, breaking the silicone microcapsules and releasing liquid
silicone. The silicone is allowed to cure and form a coating.